Meeting Agenda W. M. Barr - EPA 2pm October 24th

• Introductions

- o Present for W. M. Barr & Company
 - Lisa Sloan
 - Rebecca Connor
 - Dennis Shireman
 - Larry Culleen
 - Greg Louer

• Review of Meeting Objectives

- o Familiarize Agency personnel with W. M. Barr coating removal products
- o Enhance EPA understanding of Barr's current and forthcoming product labelling
- o Explain Barr's efforts to ensure stripping products are not misused
- o Identify opportunities for collaboration

• Background on W. M. Barr & Company

- o Employee owned
- >70 years in operation
- Quick review of products and brands
- o Barr's distribution network and typical customers
 - Consumer
 - Professional

• Discussion of Barr's Paint/Coating Stripping Products and Alternatives to DCM; NMP

- Composition
- o Uses
- o Efficacy and suitability to specific uses/surfaces/coatings
- o Container sizes and configuration
- Alternatives
 - Performance characteristics, benefits
 - Comparative costs
 - Risks posed by alternative products
 - Environmental factors

• Barr's Efforts to Ensure Risks Are Mitigated Successfully

- o Labeling
- o PPE
- Outreach and education efforts
- Work with CPSC, trade association

Update on Small Business Consultation Process and Findings

- Discussion of EPA's Regulatory Objectives, Progress, Opportunities for Collaboration
- Identify Next Steps/Adjourn

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WM Bor reeting



DANGER! ★ POISON. VAPOR EXTREMELY HARMFUL. MAY BE FATAL IF USED IN ENCLOSED AND UNVENTILATED AREAS, USE ONLY WITH ADEQUATE VENTILATION TO PREVENT BUILDUP OF VAPORS. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. EYE AND SKIN IRRITANT. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms, bathtubs, closets, or other small enclosed areas, Whenever possible use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area and across floor. IF STRONG ODOR IS NOTICED OR YOU EXPERIENCE SLIGHT DIZZINESS, EYE-WATERING, OR HEADACHE - STOP! VENTILATION IS INADEQUATE. LEAVE AREA IMMEDIATELY, AND GET FRESH AIR. IF THE WORK AREA IS NOT WELL-VENTILATED, DO NOT USE THIS PRODUCT. If used properly, a respirator may offer additional protection. Obtain professional advice before using. A dust mask does not provide protection against vapors.

Contains: Methanol and Methylene Chloride. Cannot be made non-poisonous. Methylene Chloride has been shown to cause cancer in laboratory animals. The risk to your health depends on the level and duration of exposure. Reports have associated neurological and other physiological damage to repeated and prolonged overexposure to solvents. Intentional misuse of this product, by deliberately concentrating and inhaling vapors can be harmful or fatal. Do not take internally. WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm. FIRST AID - IF SWALLOWED, immediately call your poison-control center, hospital emergency room or physician for instructions. IN CASE OF EYE CONTACT, immediately flush with water, remove any contact lenses, continue flushing with water for at least 15 minutes, then get medical attention. IN CASE OF SKIN

CONTACT, irritation may result. Immediately wash with soap and water. If irritation persists, get medical attention. INHALATION: If inhalation of this material occurs and adverse effects result, move person to fresh air and keep comfortable for breathing, then get immediate medical attention.

KEEP OUT OF REACH OF CHILDREN DO NOT USE TO STRIP BATHTUBS. Product Category: Paint Remover MAX V.O.C. 50%

IMPORTANT INFORMATION: 1. ALWAYS use outdoors, if possible. If using indoors, open ALL windows and interior and exterior doors, and maintain moving fresh air across the workplace and floor. 2. NEVER use in basements, bathrooms, closets, or other small and enclosed spaces. 3. If strong odor is noticed, or you experience slight dizziness, eye-watering, or headache, STOP using product and leave work area immediately, and get fresh air. 4. ALWAYS wear chemical resistant gloves and chemical splash goggles. IMPORTANT: Protect surrounding areas with a heavy plastic drop cloth. Do not use on linoleum, plastic, rubber, asphalt tile, fiberglass or other synthetics. Use over a small area because health and safety risks will increase dramatically when used over large areas, HELPFUL TIPS: For best results, use in temperatures between 65°F and 85°F and away from strong breeze and hot sun. If applying to a vertical surface, begin at the bottom and work up because vapors can accumulate near the floor. CLEAN UP: Return unused stripper to the original container. The work area and tools can be cleaned up with soap and water. Wash arms and hands with cold water and soap,

DIRECTIONS FOR USE: 1. Shake well. 2. Pour into a metal container and lay a thick coat on with a paint brush. Brush in one direction only. Leave the area and let the stripper do the work. 3. After 15 minutes, test scrape a small area to see if finish is ready for removal. Remove loosened finish by gently scraping in direction of wood grain with a plastic stripping tool. A toothorsh, toothorish, toothorish, multiple coats or stubborn finishes may require repeat application. Use a clean abrasive pad dipped in After Wash or Odorless Mineral Spirits to loosen remaining finish and remove any residue. Surface should be completely clean and dry before refinishing.

PELIGRO! 🖈 VENENO. VAPOR EXTREMADAMENTE DAÑINO. PUEDE SER FATAL SI SE USA EN ÁREAS SIN VENTILACIÓN Y CERRADAS. USE **ŬNICAMENTE CON UNA VENTILACIÓN ADECUADA PARA EVITAR LA ACUMULACIÓN DE VAPORES.** No lo use en áreas donde los vapores se pueden acumular y concentrar, tales como sótanos, baños, bañeras, armarios o en otras pequeñas áreas cerradas. Siempre que sea posible utilícelo en el exterior, en una zona al aire libre. Si se utiliza bajo techo, abra todas las ventanas y las puertas y mantenga una ventilación cruzada de aire fresco en movimiento a través del área de trabajo y del suelo. SI PERCIBE UN OLOR FUERTE O EXPERIMENTA UN POCO DE MAREO, LAGRIMEO O DOLOR DE CABEZA - ¡DETÉNGASE! LA VENTILACIÓN ES INADECUADA. ABANDONE LA ZONA INMEDIATAMENTE Y TOME AIRE FRESCO. SI EL ÁREA DE TRABAJO NO ESTÁ BIEN VENTILADA, NO USE ESTE PRODUCTO. Si se usa correctamente, una máscara antigás puede ofrecer una protección adicional. Obtenga asesoría profesional antes de usarla. Una máscara para el polvo no otorga protección contra los vapores.

Contiene: Cloruro de metileno. Se ha demostrado que el cloruro de metileno causa cáncer en animales de laboratorio. El riesgo a la salud depende del nivel y de la duración de la exposición. Algunos informes han asociado daños neurológicos y otros fisiológicos con la sobreexposición a solventes de manera repetida y prolongada. El uso indebido de este producto para concentrar e inhalar de manera deliberada sus vapores puede resultar dañino o mortal. No ingerir. ADVERTENCIA: Este producto contiene productos químicos que, según los conocimientos del Estado de California, producen cáncer u defectos congénitos u otros daños reproductivos.

PRIMEROS AUXILIOS - SI SE INGIERE EL PRODUCTO, liame de inmediato a un centro de control de intoxicaciones, a la sala de emergencias de un hospital o a su médico para obtener instrucciones. SI EL PRODUCTO ENTRA EN CONTACTO CON LOS 0,JOS, enjuague de inmediato con abundante agua, quítese los lentes de contacto en caso de llevar alguno, continúe enjuagando durante al menos 15 minutos, y a continuación, consiga asistencia médica de inmediato. EN CASO DE CONTACTO CON LA PIEL puede resultar en irritación. Lávese inmediatamente con aqua y jabón, Si persiste la irritación, solicite atención médica. INHALACIÓN: Si se inhala de este producto y como resultado se presentan efectos adversos, ubique a la persona en un lugar con aire fresco y manténgalo cómodo para respirar y, a continuación, consiga atención médica de inmediato.

NO LO UTILICE PARA DESMONTAR BAÑERAS. MANTENGASE FUERA DEL ALCANCE DE LOS NIÑOS

INFORMACIÓN IMPORTANTE: 1. Utilícelo SIEMPRE al aire libre, si es posible. Si se utiliza bajo techo, abra TODAS las ventanas y puertas interiores y exteriores, mantenga una ventilación cruzada de aire fresco en movimiento a través del área de trabajo y del suelo. 2. NUNCA lo utilice en sótanos, baños, armarios o en otros espacios pequeños y cerrados, 3. Si percibe un olor fuerte o experimenta un poco de mareo, lagrimeo o dolor de cabeza, DETENGA su uso y abandone el área de trabajo de inmediato, y tome aire fresco. 4. SIEMPRE use quantes resistentes a los químicos y gafas protectoras.

IMPORTANTE: No lo mezcle con ningún otro producto. Proteja las áreas adyacentes con un plástico grueso. No lo use en linóleo, plástico, caucho, asfallo, fibra de vidrio o en otros sintéticos. Use en un área pequeña porque los peligros para la salud y la seguridad aumentarán dramáticamente al usarse en áreas grandes, CONSEJOS ÚTILES: Para obtener meiores resultados, úselo en superficies a temperaturas entre los 65°F y 85°F y lejos de la brisa fuerte y la luz directa del sol. Si lo aplica en una superficie vertical, comience en la parte inferior y trabaje hacia arriba porque los vapores pueden acumularse cerca del piso. LIMPIEZA: Devuelva cualquier removedor que haya sobrado en la botella al tarro. El área de trabajo y las herramientas pueden limpiarse con agua y jabón. Lávese los brazos y las manos con agua fría y jabón.

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IMPORTADOR SERVICIOS HOME DEPOT, S. de R.L. de C.V. **RICARDO MARGAIN 605** SANTA FNGRACIA SAN PEDRO GARZA GARCIA, Nuevo León, C.P. 66267 MEXICO R.F.C. SHD-940509-I58 TEL 81 55 70 00



Klean-Strip® & CitriStrip® REMOVER GUIDE

Strippers - America's #1 Stripper Brand













	Premium	Premium	Strip-X®	Adhesive	
Product	Brushable	Sprayable	Brushable	Remover	CitriStrip® Gel
Chemical	Methylene Chloride	Methylene Chloride	Methylene Chloride	Methylene Chloride	NMP
Flammability	Non-Flammable	Non-Flammable	Flammable	Non-Flammable	Not Flammable
Ready to Strip	15 Minutes	15 Minutes	30 Minutes	30 Minutes	4 hours
Surface Type	Wood, Metal & Masonry	Wood & Metal & Masonry	Wood, Metal & Masonry	Wood, Metal, Concrete & Masonry	Wood, Metal & Masonry
Works Best on these Coatings	Oil /alkyd based paint, Polyurethane, Epoxy, Varnish & Shellac	Oil /alkyd based paint, Polyurethane, Epoxy, Varnish & Shellac	Oil /alkyd based paint, Polyurethane, Stain & Shellac	Adhesives & Mastics	Oil /alkyd based paint,Varnish, Lacquer & Shellac
Comments	 Fastest & most effective 	• Sprayable stripper	 Great value priced remover that works well on stains and other coatings Removes wood stains 	 Strips all tough flooring adhesives, mastics, and cove based adhesives 	 Safe and effective alternative to methylene chloride removers Stays wet & active for up to 24 hours

Choose the Right Remover



Klean-Strip® Premium Stripper

- Works in 15 minutes or less
- Removes paint, epoxy, polyurethane, varnish & shellac from wood, metal and masonry
- Paste formula clings to vertical surfaces without runs or drips
- The most powerful stripper for the toughest jobs
- Fastest way to strip multiple layers of almost any finish from most surfaces



Klean-Strip® Premium Sprayable Stripper

- Works in 15 minutes or less
- Removes paint, epoxy, polyurethane, varnish & shellac from wood, metal and masonry
- Thin liquid formula with a convenient spray bottle for quick coverage
- All the strength of KS-3 Premium in a sprayable form to get into grooves & crevices



Klean-Strip® Strip-X Stripper

- Works in 30 minutes or less
- Removes stain from wood and removes shellac, varnish & paint from wood, metal & masonry
- Paste formula clings to vertical surfaces without runs or drips
- Good for quickly removing multiple layers of latex paint, or for getting back to the original wood by removing pigmented wood stains



Klean-Strip® Klean-Kutter Remover

- Works in 30 minutes or less
- Dissolves clear finishes such as varnish, lacquer, polyurethane
 & shellac from all types of wood
- Thin liquid formula brushes quickly & evenly or can be applied with a stripping pad
- Safe to use on antiques and fine furniture to refinish without harming the wood or damaging glue joints & veneers



CitriStrip® Paint & Varnish Stripping Gel

- Works in 4 hours but stays wet and active for up to 24 hours
- Removes paint, varnish, polyurethane, lacquer & shellac from wood, metal and masonry
- Thick gel formula clings to vertical surfaces without runs or drips
- Safer formula with a pleasant orange scent -- Contains no methylene chloride
- Very easy to use formula for the novice -- Can leave on surface overnight to strip multiple layers
 (see other)

Chemical (Neat)		Alkyd (5)			Ероху (3)	
· · · · · · · · · · · · · · · · · · ·	15 min	30 min	1 hrs	15 min	30 min	1 hrs
methylene chloride	5	5	5	2	2	2
trans-1,2 dichloroethylene	5	5	5			
1,3 dioxalane	5	5	5			2
n-methyl-2-pyrrolidone		5	5			
acetone	5	5	5			
dimethoxymethane (methylal)		5	5			
n-butyl propionate			5			
dimethyl sulfoxide (DMSO)			4			
dimethyl carbonate						
benzyl methyl ether						
TOC (2,5,7,10 tetraoxaundecane)						
3-methoxy-3-methyl-1-butyl acetate (MMB-AC)						
Steposol MET-10U						
PCBTF/Oxsol 100						
3-methoxy-3-methyl-1-butanol (MMB)						
Eastman Omnia (butyl-3-hydroxybutyrate)						
benzyl alcohol						
dibasic esters (LVP)						
dibutoxymethane (butylal)						
propylene carbonate						
Elevance Clean 1200						
soya methyl ester						
glyercol formal						
No effect on Coating						
Slight softening but no removal with plastic scraper						
Difficult removal with much effort (number of layers listed)			2			
Complete removal			5			

Complete removal 5	Difficult removal with much effort (number of layers listed)	Slight softening but no removal with plastic scraper	No effect on Coating

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Zinsser			This Stuff Works, Inc.				Sunnyside				Solvent Kleene		PPG		Packaging Service Co.	Motsenbocker	Franmar	EZ Strip	Ecoprocote			Dumond						W. M. Barr				Company
Magic Strip Citrus-Action	TSW9 Plasti-Master	TSW3G (GEL) Mason-Master	TSWZG Multi-Master (Gel)	TSW2 Multi-Master	Ultri-Strip	Ready-Strip Spray	Ready Strip Safer Paint & Varnish Remover	Ready Strip Pro	Multi-Strip Professional Paint Remover	D-Zolve 15-33R (aircraft)	D-Zolve 1012 Powder Coating Remover (immersion tank)	DuraPrep Prep 400 Overspray Remover	DuraPrep 240 Industrial Coating Remover (Gel)	DuraPrep 200 Coating Remover (Gel)	Crown Paint Strip Next	Lift Off Paint and Varnish Remover	Soy-Gel Paint and Urethane Remover	EZ Strip Paint and Varnish Stripper	EcoFast HD Heavy Duty Paint Stripper	Smart Strip Pro	Smart Strip	Peel Away 7	Peel Away 5 Soy Based	Peel Away 1	Experimental Formula (DBE)	Experimental Formula (benzyl alcohol)	Citristrip Safer Paint & Varnish Stripping Gel	Klean-Strip Strip-X Stripper	Klean-Strip Premium Stripper	Klean-Strip Aircraft Remover		Paint Remover
NMP/DBE/d-limonene	DBE/proprietary surfactant	potassium hydroxide/butyl cellosolve	NMP/DBE	NMP/D8E	DBE/NMP/formic acid	NMP/DBE/monoethanolamine	DBE/NMP/formic acid	DBE/NMP/formic acid	DBE/NMP/formic acid	alkyl methyl ester/petroleum naphtha/benzyl alcohol/methyl phenyl ether	alkyl methyl ester/potassium hydroxide/cyclic amide	benzyl alcohol/petroleum distillates/glycolic acid/quaternary ammonium compounds/hydrogen proxide	benzyl alcohol/hydrogen proxide/solvent naphtha/glycollic acid/malic acid/barium bis(dinonyinaphthalenesuphonate)/amines, coco alkyl, ethoxylated	benzyl alcohol\solvent naphtha/2-aminoethanol/nonylphenol, branched ethoxylated	DBE/DMSO	acetone/trade secret ingredients	NMP/DBE/soy ester	DBE/triethyl phosphate	water/benzyl alcohol	water/benzyl alcohol/formic acid	water/henzyl alcohol	benzyl alcohol/NMP/DBE?	benzyl alcohol/NMP/sova methyl ester/DBE	calcium hydroxide/magnesium hydroxide/sodium hydroxide	DBE	benzyl alcohol	NMP/DBE	methylene chloride/methanol/toluene/nonyl phenol ethoxylate/acetone/xylene	methylene chloride/methanol/Stoddard solvent	methylene chloride/methanol/Tall oil/ammonium hydroxide/xylene	Industrial enterior females	Ingradiants (MSDS)
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	5	5	5 min	
9	0	0	0	0	0	0	0	0	0	0	1	0	0				П	П			0			0	0	0	0	5	5	5	15 min	All
1	-													0	0	0	0	0			L	1	1	1	1	-	_	100				3
	0	1	0	0	0	0	0	0	0	0	2	0	0	0 0	0 0		-	+	+		t				0	0	0	5	5	5	30 min	d (5 Laye
1	0 0	1 1	0 0	0 0		-		0 0	0 0	0 0	2 2					0	0	0	+	0 0	0	+	ł	+	1	-	0 5	5 5	5 5	5	30 min 1 hrs	Alkyd (5 Layers)
		1 1 4				0	0	0	0		2 2 5	0	0	0	0	0	0	0 0	0 0	0 0	0			2	0	0			5 5	5 5 5	30 min 1 hrs 4 hrs	d (5 Layers)
	0	1			0 5	0 0	0 0	0 0	0	0 5	2 2 5 0	0 0	0 0	0 0	0 0 5	0 0 0	0 0 5	0 0 0	0 0		0			2	0 0	0 0	S	5 5	5 5 5 2	_	1 hrs 4 hrs 15 min	d (5 Layers)
200	0 0 0	1	0 5	0 5	0 5 0	0 0 0	0 0 0	0 0 0	0 5 0	0 5 0	2 5	0 0 0	0 0 0	0 0 5	0 0 5 0	0 0 0 0	0 0 5 0	0 0 0	0 0 0						0 0 0	0 0	5 0	5 5 0	5 5	_	1 hrs 4 hrs 15 min	
	0 0 0	1 4 0 0	0 5 0 0	0 8 0 0	0 5 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 5 0 0	0 5 0 0	2 5 0	0 0 0 0	0 0 0 0	0 0 5 0 0	0 0 5 0 0	0 0 0 0 0	0 0 5 0 0	0 0 0 0 0	0 0 0 0		0 0				0 0 0	0 0 0 0	5 0 0	5 5 0 0	5 5 2 2	2 2	1 hrs 4 hrs 15 min	d (5 Layers) Epoxy (3 Layers)

all layers of latex paint removed or all layers of alkyd paint have popped	layers of paint removed with a plastic paint scraper	no layers of paint were removed with plastic paint scraper

Paint Remover	Ingredients (MSDS)		Alk	ıyd (5 Layer	s)				Epoxy (3
Klan-Strin Aircraft Panasser		5 min	15 min	30 min	1 hrs	300	4 hrs	4 hrs 15 min	4 hrs 15 min 30 min
Klean-Strip Aircraft Kemover	methylene chloride/methanol/Tall oil/ammonium hydroxide/xylene	2	5	5	5		5	5 2	5 2 2
Klean-Strip Premium Stripper	mothylono chlorido (mothano) (Staddayd anti-nat				1	ł	ľ		-
Mean-Sulp riemum Sulpper	methylene chloride/methanol/Stoddard solvent	5	5	5	S		5	5 2	5 2 2
Experimental Toluene Based Paint Remover	toluene/acetone/methanol	0	5	UN	(SI		UT	0	0 0
Experimental 1,2 Trans Dichloroethylen Based Paint Remover	1,2 trans dichloroethylene/acetone/methanol	0	5	5	5		5	0	0 0
Experimental 1,3 Dioxolane Based Paint Remover	1,3 dioxolane/acetone/methanol	0	5	US .	un I		2	5	5 0 0
Citristrip Safer Paint & Varnish Stripping Gel	NMP/DBE	0	9	0	7		7	7	
Smart Strip	water/benzyl alcohol	0	0	0	0			0	
EZ Strip Paint and Varnish Stripper	DRF/triethyl phosphate						0	0	0
cz Sulp raint and varnish Supper	DBE/triethyl phosphate	0	0	0	0		0	0 0	0 0 0
						Į	Name and Address of the Owner, where		Contraction of the last of the

Paint Remover	Ingradiants (MCDS)		Automotive	Coating	
The party of the same and the s	D. Carrent Lands	15 min	30 min	1 hrs	4 hrs
Klean-Strip Aircraft Remover	methylene chloride/methanol/Tall oil/ammonium hydroxide/xylene				
Klean-Strip Premium Stripper	methylene chloride/methanol/Stoddard solvent				
Experimental Toluene Based Paint Remover	toluene/acetone/methanol				
Experimental 1,2 Trans Dichloroethylen Based Paint Remover	1,2 trans dichloroethylene/acetone/methanol				
Experimental 1,3 Dioxolane Based Paint Remover	1,3 dioxolane/acetone/methanol				
Citristrip Safer Paint & Varnish Stripping Gel	NMP/DBE				
Smart Strip	water/benzyl alcohol				
EZ Strip Paint and Varnish Stripper	DBE/triethyl phosphate				